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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/632,148	07/31/2003	Elisabeth Borredon	454.002	1867
47888 75	590 09/13/2005		EXAMINER	
HEDMAN & COSTIGAN P.C.			TUCKER, ZACHARY C	
1185 AVENUE OF THE AMERICAS NEW YORK, NY 10036			ART UNIT	PAPER NUMBER
			1624	
			DATE MAILED: 09/13/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Antice C	10/632,148	BORREDON ET AL.				
Office Action Summary	Examiner	Art Unit				
	Zachary C. Tucker	1624				
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet wi	th the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REI THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a re reply within the statutory minimum of thirt iod will apply and will expire SIX (6) MON tute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 14	July 2005.					
	his action is non-final.					
Disposition of Claims						
4) ☐ Claim(s) 1-9 is/are pending in the application 4a) Of the above claim(s) is/are without 5) ☐ Claim(s) 8 is/are allowed. 6) ☐ Claim(s) 1, 2, 4-7 and 9 is/are rejected. 7) ☐ Claim(s) 3 is/are objected to. 8) ☐ Claim(s) are subject to restriction and	Irawn from consideration.	·				
Application Papers						
9) The specification is objected to by the Exam	iner.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to t	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119		·				
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the papplication from the International Bur * See the attached detailed Office action for a	ents have been received. ents have been received in A riority documents have been eau (PCT Rule 17.2(a)).	pplication No received in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date 		s)/Mail Date nformal Patent Application (PTO-152)				

Response to Amendment

As requested in the correspondence from applicants filed 14 July 2005 (hereinafter "present amendment"), which is in reply to the Office action mailed 8 February 2005 (hereinafter "previous Office action"), claims 3, 6, 7 and 8 have been amended.

Status of Claim Rejections - 35 USC § 112

In the previous Office action, claims 3, 6 and 7 were rejected under 35 U.S.C. 112, second paragraph, for indefiniteness of "benzene derivatives," "gradually," and "flow rate" (in the absence of a time dimension), respectively.

The present overcomes all of these rejections; they are hereby withdrawn.

Status of Claim Rejections - 35 USC § 103

In the previous Office action, claims 1, 2, 4-7 and 9 were rejected under 35 U.S.C. 103(a) as being unpatentable over US 5,453,516 (Fisher et al) in view of Smith and Linnhoff, *Chemical Engineering, Research and Design*, vol. 66, pages 195-228 (May 1988).

The rejection is maintained; applicants argument is not persuasive.

Claims 1, 2, 4-7 and 9 are finally rejected under 35 U.S.C. 103(a) as being unpatentable over Fisher et al in view of Smith and Linnhoff for reasons of record. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the feature upon which applicant relies (i.e., N-methylation as opposed to C-methylation) is not recited in the rejected claims. Although the claims are interpreted in light of the specification, limitations from the specification

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are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

The Fisher et al patent teaches methylation of pyrrolidone, a nitrogenous heterocycle with a hydrogen atom bonded to nitrogen.

Applicants' argument makes reference to selectivity also. Neither is selectivity of the methylation reaction a claim limitation.

The argument in traversal furthermore states that making a batch process continuous, as is the rationale for the obviousness rejection at hand, is not obvious.

Making a process continuous is well-established as being obvious – In re Dilnot, 319 F.2d 188, 138 USPQ 248 (CCPA 1963).

One of ordinary skill would certainly have a reasonable expectation of success in adapting Fisher et al's process for a continuous embodiment (especially in light of the fact that a continuous embodiment is expressly suggested in the reference).

Continuous removal of the by-product methanol would be necessary in the continuous practice of Fisher et al's methylation process.

Allowable Subject Matter

Claim 8 is allowed in view of the present amendment converting it into an independent claim. Reasons for allowability of claim 8 were given in the previous Office action, pages 6 and 7.

Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base

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claim and any intervening claims. The substrates specified in instant claim 3 are not taught in the closest prior art, Fisher et al.

Claim 1 would be allowable if amended to specify N-methylation of nitrogenous heterocycles. Fisher et al teaches methylation of the alpha carbon of pyrrolidones and butyrolactones.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Conclusion

Any inquiry concerning this communication should be directed to Zachary Tucker whose telephone number is (571) 272-0677. The examiner can normally be reached Tuesday-Thursday from 8:00am to 4:30pm or Monday from 6:00am to 1:30pm. If Attempts to reach the examiner are unsuccessful, contact the examiner's supervisor, James O. Wilson, at (571) 272-0661.

The fax number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (5/1) 272-1600.

zt

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600